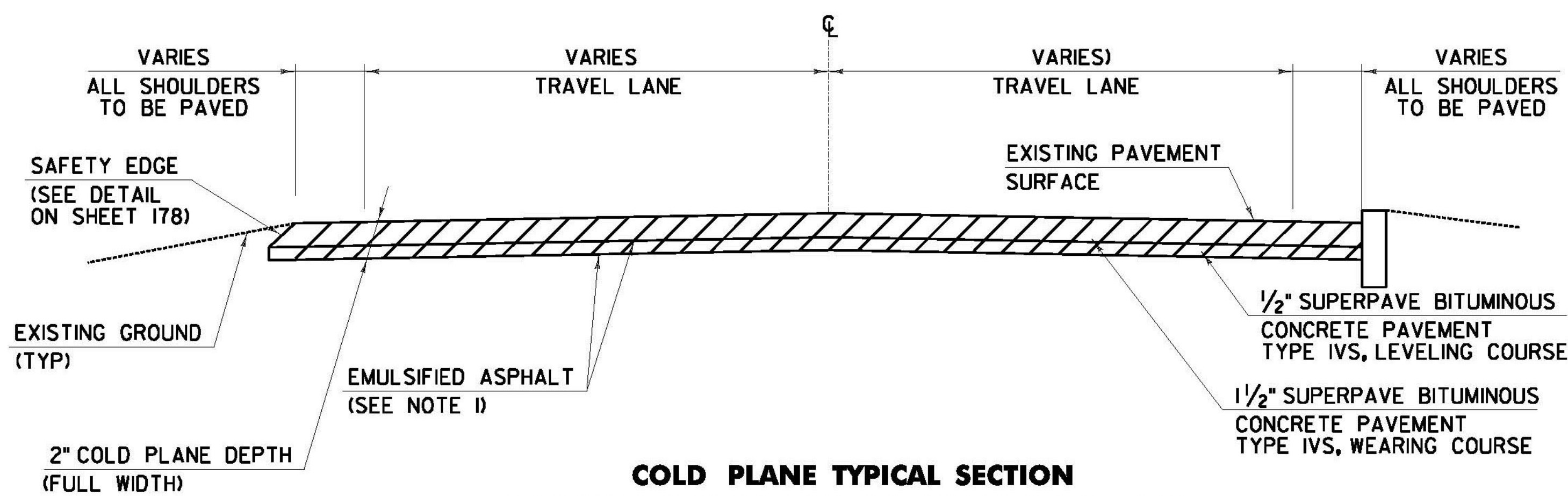


COLD PLANE TYPICAL SECTION

U.S. ROUTE 5 ROCKINGHAM STA R 2+00.00 TO STA R 2+81.00
 U.S. ROUTE 5 ROCKINGHAM STA R 6+25.00 TO STA R 8+25.00
 U.S. ROUTE 5 ROCKINGHAM STA R 12+38.00 TO STA R 61+12.00
 U.S. ROUTE 5 ROCKINGHAM STA R 76+36.00 TO STA R 79+09.44



COLD PLANE TYPICAL SECTION

U.S. ROUTE 5 ROCKINGHAM STA R 2+81.00 TO STA R 6+25.00
 U.S. ROUTE 5 ROCKINGHAM STA R 8+25.00 TO STA R 12+38.00

NOTES

1. ANY NECESSARY MODIFICATIONS TO PRODUCE THE PG 70-28 ASPHALT BINDER ARE RESTRICTED TO SBR OR SBS POLYMERS. THE WEARING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. ALL COLD PLANED OR EXISTING SURFACES SHALL HAVE A TACK COAT APPLICATION RATE OF 0.08 GAL/SQ.YD. OF ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH). TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. OF ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-IH OR CRS-IH).
2. THE COLD PLANED SURFACE SHALL HAVE SURFACE PREPARATION BEFORE THE LEVELING COURSE IS PLACED. SURFACE PREPARATION SHALL CONSIST OF POTHOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST ONE INCH IN WIDTH. PAYMENT WILL BE MADE UNDER ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE II).
3. SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. COLD PLANING SHALL BE COMPLETED AS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER ITEM 402.13 AGGREGATE SHOULDERS, RAP.
6. AN ESTIMATED QUANTITY OF ITEM 619.17 YIELDING MARKER POSTS HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS, AND DROP INLETS LOCATED OUTSIDE OF THE PAVEMENT SURFACE OR AS DIRECTED BY THE ENGINEER.
7. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO A DEPTH OF THREE INCHES OR AS DIRECTED BY THE ENGINEER. EXCAVATION WILL BE PAID FOR AS ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1 OR ITEM 608.15 POWER GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH ITEM 301.28 SUBBASE, OF CRUSHED GRAVEL, FINE GRADED. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER.
8. PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM U.S. ROUTE 5 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
9. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A PAVED APRON OF FOUR FEET AND ALL FIELD ACCESSES SHALL RECEIVE A TWO FEET PAVED APRON UNLESS OTHERWISE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
10. DAMAGE TO ANY DROP INLETS, CROSS-CULVERTS, OR OTHER DRAINAGE FEATURES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
11. THE CONTRACTOR SHALL REHABILITATE ALL EXISTING DROP INLETS AND CATCH BASINS TO A DEPTH OF 1/2" BELOW THE FINISHED GRADE ELEVATION AS DIRECTED BY THE ENGINEER. ALL REHABILITATION WORK WILL BE PAID FOR UNDER THE APPLICABLE REHABILITATION ITEM AS DIRECTED BY THE ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
12. THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLES AND WATER VALVES TO A DEPTH OF 1/4" BELOW THE FINISHED GRADE ELEVATION AS DIRECTED BY THE ENGINEER. ALL ADJUSTMENT WORK WILL BE PAID FOR UNDER THE APPLICABLE ADJUSTMENT ITEM AS DIRECTED BY THE ENGINEER. ALL EXISTING UTILITIES MARKED "TO REMAIN" SHALL NOT BE ALTERED OR REHABILITATED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

**SEEDING FORMULA
URBAN AREAS**

% WT.	LBS./A.		NAME	PUR %	GERM %
	BROADCAST	HYDROSEED			
42.5	34.0	34.0	CREeping RED FESCUE	98	85
10.0	8.0	8.0	PERENNIAL RYE GRASS	95	90
42.5	34.0	34.0	KENTUCKY BLUE GRASS	85	85
5.0	4.0	4.0	ANNUAL RYE GRASS	95	85
100.00	80.0	80.0			

GENERAL NOTES

- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
- FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
- AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

NOT TO SCALE

ROCKINGHAM PROJECT TYPICAL SHEET #1	PROJECT NAME: CHESTER-SPRINGFIELD-ROCKINGHAM-WINDSOR
	PROJECT NUMBER: STP 295210
	FILE NAME: z13c518+ypbdr_seg03.dgn PROJECT LEADER: D. GOZALKOWSKI DESIGNED BY: A. HAWKINS
	PLOT DATE: 4/2/2015 DRAWN BY: A. KIRBY CHECKED BY: J. SHIELDS SHEET 170 OF 309